

ORDINANCE-O- 2012-85

A BILL FOR AN ORDINANCE REPEALING AND REENACTING CHAPTER 16.12 OF  
THE LONGMONT MUNICIPAL CODE, ADOPTING BY REFERENCE THE 2012 EDITION  
OF THE INTERNATIONAL MECHANICAL CODE

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THE COUNCIL OF THE CITY OF LONGMONT, COLORADO, ORDAINS:

Section 3. International Mechanical Code and Appendices Adopted.

Chapter 16.12 of the Longmont Municipal Code is hereby repealed and reenacted to read  
as follows:

16.12.010 International Mechanical Code and Appendix Chapter A adopted.

Pursuant to Part 2 of Article 16 of Title 31, CRS, as amended, and Article  
IV, Municipal Charter of the City of Longmont, Colorado, there is adopted as the  
mechanical code of the city, by reference thereto, the International Mechanical  
Code, 2012 Edition, including Appendix Chapter A, published by the  
International Code Council, Inc., 4051 West Flossmoor Road, Country Club  
Hills, IL 60478, that code to have the same force and effect as if set forth in this  
chapter in every particular, save and except such portions as are added, amended,  
deleted, or replaced in this chapter. All references in this code to the International  
Mechanical Code are to the edition referenced above.

16.12.020 Copies--Filing for public inspection.

At the time of adoption, one certified true copy of the International  
Mechanical Code, published by the International Code Council, is on file in the  
office of the city clerk and may be inspected by any interested person between  
eight a.m. and five p.m., Monday through Friday, holidays excepted. The city  
shall keep a copy of the adopted code in the office of the chief enforcement  
officer for public inspection. The building code, as finally adopted, is available  
for sale at the office of the city clerk, at a price reflecting cost to the city as  
established by the city manager, pursuant to this municipal code.

16.12.030 Section 101.1 amended—Title.

Section 101.1 of the International Mechanical Code is amended by  
insertion of “the City of Longmont” in the brackets.

16.12.040 Section 106.5.2 amended--Fee schedule.

1           Section 106.5.2 of the International Mechanical Code is amended by  
2 adding the following:

3           The fee for any permit required by this code shall be established from time  
4 to time by resolution of the city council.

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6 16.12.050 Section 106.5.3 amended--Fee refunds

7           Section 106.5.3 of the International Mechanical Code is amended by the  
8 insertion of “80” in the brackets of #2 and #3.

9 16.12.060 Section 108 replaced--Violations.

10          Section 108 of the International Mechanical Code is deleted in its entirety  
11 and replaced with the following:

12          108.1 Unlawful acts. It is unlawful for any person to erect, install, alter,  
13 repair, relocate, add to, replace, demolish, use, occupy or maintain any building or  
14 structure, or cause or permit the same to be done, in violation of this code.

15          108.2 Violation. Any person committing or permitting a violation of this  
16 code commits a separate offense for each day or part of a day during which the  
17 violation exists. Offenses are punishable according to Chapter 1.12 of the  
18 Longmont municipal code.

19          108.3 Violation penalties. Imposition of one penalty for any violation  
20 shall not excuse the violation nor permit it to continue, and all such persons shall  
21 correct or remedy such violations or defect within a reasonable time.

22          108.4 Prosecution of violation. In addition to any other penalties, any  
23 violation of this code is a public nuisance and shall be enjoined by a court of  
24 competent jurisdiction. Nothing in this code shall prevent the city attorney from  
25 seeking appropriate legal or equitable relief from any court of competent  
26 jurisdiction.

27 16.12.070 Section 109 replaced--Means of appeal.

28          Section 109 of the International Mechanical Code is deleted in its entirety  
29 and replaced with the following:

30          109.1 General. For provisions relating to the Board of Appeals, see  
31 Chapter 16.30 of the Longmont municipal code.

1       16.12.080 Section 202 addition--Definitions.

2               Section 202 of the International Mechanical Code is amended by the  
3 addition of the following:

4               BEDROOM/SLEEPING ROOM: An enclosed space within a dwelling  
5 unit, used or intended to be used for sleeping purposes, meeting the minimum  
6 area requirements of the building code or containing a closet or similar area which  
7 is easily converted into a closet (such space needs only doors to become a closet).

8               UNUSUALLY TIGHT CONSTRUCTION: Construction meeting the following  
9 requirements:

10              In buildings of unusually tight construction, combustion air shall be  
11 obtained from outside the sealed thermal envelope. In buildings of ordinary  
12 tightness, insofar as infiltration is concerned, all or a portion of the combustion air  
13 for fuel-burning appliances may be obtained from infiltration when the room or  
14 space has a volume of 50 cubic feet per 1,000 Btu/h input. Buildings classified as  
15 Group R occupancies, constructed with permits issued on or after March 1, 1989,  
16 are classified as buildings with unusually tight construction.

17       16.12.090 Section 312.1 amended--Load calculations.

18              Section 312.1 of the International Mechanical Code is amended by the  
19 addition of the following:

20              Residential heating and air conditioning equipment shall be sized based on  
21 building loads calculated in accordance with Air Conditioning Contractors of  
22 America (ACCA) Manual S based on building loads calculated in accordance  
23 with ACCA Manual J, Load Calculations for Residential Winter and Summer Air  
24 Conditioning, or other approved equivalent or improved heating and cooling  
25 methodologies.

26       16.12.100 Section 508.1 amended--Makeup air.

27              Section 508.1 of the International Mechanical Code is amended by the  
28 addition of the following:

29              Mechanical makeup air systems shall be interconnected with an  
30 extinguishing system or detector device so that upon activation of either, the  
31 makeup system shall be shut off.

1        16.12.110 Section 510.5.5 amended--Makeup air.

2                Section 510.5.5 of the International Mechanical Code is amended by the  
3 addition of the following:

4                Makeup air systems serving a ventilation system provided for explosive or  
5 flammable vapors, fumes or dusts shall be interconnected with an extinguishing  
6 system or a detector device so that upon activation of either, the makeup system  
7 shall be shut off.

8        16.12.120 Section 603.2 amended—Duct sizing

9                Section 603.2 of the International Mechanical Code is amended by  
10 replacing the first sentence with the following:

11                603.2 Duct sizing. Ducts installed within dwelling units shall be sized in  
12 accordance with ACCA Manual D or other approved methods.

13        16.12.130 Section 701.1 amended--Scope

14                Section 701.1 of the International Mechanical Code is amended to include  
15 the following:

16                701.1.1 All air from indoors. Combustion and dilution air shall be  
17 permitted to be obtained entirely from the indoors in buildings that are not of  
18 unusually tight construction, in accordance with provisions of the 2012  
19 International Fuel Gas Code Section 304.5 as amended. Exception: Buildings  
20 classified as Group R occupancies shall be provided with a minimum 28 inch<sup>2</sup>  
21 opening to outdoor air at the time of replacement or addition of fuel utilization  
22 equipment for which a permit is required.

23                For buildings of unusually tight construction, combustion air shall be  
24 obtained from the outdoors in accordance with provisions of the 2012  
25 International Fuel Gas Code Section 304.6 as amended.

26        16.12.140 Section 918.2 amended--Minimum duct sizes

27                Section 918.2 of the International Mechanical Code is amended by the  
28 addition of the following:

29                A ducted return shall be provided from a central location at each floor  
30 level and all rooms or areas shall have an approved means of pressure relief  
31 through permanent openings such as ducted returns, jumper ducts or transfer

1 grills. A minimum 1/3 of the area of return air openings shall be located within  
2 two feet of the uppermost ceiling height.

3 Exception: The building official may modify the requirement for height  
4 of return air openings due to structural limitations or practical difficulties.

5 16.12.150 Section 1002.1 amended--General

6 Section 1002.1 of the International Mechanical Code is amended by the  
7 addition of the following:

8 The minimum energy factor for residential electric water heaters shall be  
9 .97 and .64 for fuel-fired types.

10 16.12.160 Section 1004.1 amended--Standards

11 Section 1004.1 of the International Mechanical Code is amended by the  
12 deletion of the two words "oil-fired" at the beginning of sentence one.

13 16.12.170 Section 1004.2 amended--Installation

14 Section 1004.2 of the International Mechanical Code is amended by the  
15 addition of two subsections as follows:

16 1004.2.1 Certificate of Inspection. It is unlawful to operate a boiler or  
17 pressure vessel without first obtaining a valid Certificate of Inspection. Such  
18 certificate shall be displayed in a conspicuous place on or near the boiler or  
19 vessel. The Certificate of Inspection shall not be issued until the equipment has  
20 been inspected and approved.

21 Exception: The operation only of steam heating boilers, low pressure hot  
22 water heating boilers, hot water supply boilers, and pressure vessels in Group R  
23 Occupancies of less than six dwelling units and in Group U Occupancies.

24 1004.2.2 Operation and maintenance of boilers and pressure vessels.  
25 Boilers and pressure vessels shall be operated and maintained in conformity with  
26 nationally recognized standards and requirements for adequate protection of the  
27 public. The boiler inspector shall notify the owner or the authorized representative  
28 of defects or deficiencies, which shall be properly and promptly corrected. If  
29 such corrections are not made, or if the operation of the boiler or pressure vessel  
30 is deemed unsafe, the permit to operate the boiler or pressure vessel may be  
31 revoked. If the operation of a boiler or pressure vessel is deemed to constitute an

1 immediate danger, the pressure on such boiler or pressure vessel shall be relieved  
2 at the owner's cost, and the boiler or pressure vessel shall not be operated without  
3 approval of the boiler inspector.

4 16.12.180 Section 1011.1 replaced--Tests

5 Section 1011.1 of the International Mechanical Code is deleted in its  
6 entirety and replaced with the following:

7 1011.1 Tests. An installation for which a permit is required shall not be  
8 put into service until it has been inspected and approved. It is the duty of the  
9 owner or his or her authorized representative to notify the state boiler inspector or  
10 an authorized alternate that the installation is ready for inspection and test.  
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